

C (続き) . 関連すると認められる文献		
引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	関連する 請求の範囲の番号
P, X	Journal of Biochemistry, Volume 125, Number 4, issued 1 April 1999, Norihiko Kageyama et al., "Molecular Cloning and Characterization of Two Zebrafish α (1,3)Fucosyltransferase Genes Developmentally Regulated in Embryogenesis", pages 838-845	27, 28
P, X	Journal of Biological Chemistry, Volume 273, Number 41, issued 9 October 1998, Takashi Kudo et al., "Expression Cloning and Characterization of a Novel Murine α 1,3-Fucosyltransferase, mFuc-TIX, That Synthesizes the Lewis x (CD15) Epitope in Brain and Kidney", pages 26729-26738	1-49
P, X	FEBS Letters, Volume 452, Number 3, issued 11 June 1999, Kaneko, M. et al., " α 1,3-Fucosyltransferase IX (Fuc-TIX) is very highly conserved between human and mouse; molecular cloning; characterization and tissue distribution of human Fuc-TIX.", pages 237-242	1-49
A	Journal of Biological Chemistry, Volume 272, Number 47, issued 21 November 1997, Marieta Costache et al., "Evolution of Fucosyltransferase Genes in Vertebrates", pages 29721-29728	1-49
A	US, 5,625,124, A (Washington University) 29.4月.1997 (29.04.97), (ファミリーなし)	1-49
A	WO, 97/09421, A1 (THE REGENTS OF THE UNIVERSITY OF MICHIGAN) 13.3月.1997 (13.03.97) & AU, 9669035, A & US, 5,770,420, A	1-49
A	Journal of Biological Chemistry, Volume 270, Number 34, issued 25 August 1995, H.Scott Cameron et al., "Expression of Human Chromosome 19p α (1,3)-Fucosyltransferase Genes in Normal Tissues", pages 20112-20122	1-49
A	WO, 94/02616, A1 (THE REGENTS OF THE UNIVERSITY OF MICHIGAN) 3.2月.1994 (03.02.94) & ZA, 9305237, A & AU, 9347747, A & US, 5,324,663, A & EP, 654082, A1 & JP, 8-505041, A & US, 5,595,900, A & NZ, 255056, A & NZ, 314354, A	1-49
A	Journal of Biological Chemistry, Volume 267, Number 6, issued 25 February 1992, Brent W. Weston et al., "Isolation of a Novel Human α (1,3)Fucosyltransferase Gene and Molecular Comparison to the Human Lewis Blood Group α (1,3/1,4)-Fucosyltransferase Gene", pages 4152-4160	1-49

A. 発明の属する分野の分類 (国際特許分類 (IPC))

Int. Cl⁶ C12N9/10, 1/21, 5/10, 15/54, C12Q1/68, C07K16/40, A01K67/027

B. 調査を行った分野

調査を行った最小限資料 (国際特許分類 (IPC))

Int. Cl⁶ C12N9/02-9/94, 15/11-15/62, C07K14/00-14/825

最小限資料以外の資料で調査を行った分野に含まれるもの

国際調査で使用した電子データベース (データベースの名称、調査に使用した用語)

BIOSIS (DIALOG), WPI (DIALOG),
GenBank/EMBL/DDBJ/GeneSeq, SwissProt/PIR/GeneSeq

C. 関連すると認められる文献

引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	関連する 請求の範囲の番号
X	Gene, Volume 102, Number 1, issued 15 June 1991, Xin Wang et al., "Sequence analysis of a Staphylococcus aureus gene encoding a peptidoglycan hydrolase activity", pages 105-109	27, 28
X	GenBank Accession No. B41073, 18 October 1997, Mahairas, G. G. et al., "HS-1052-B2-G01-MF.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 774 Col=2 Row=N, genomic survey sequence."	27, 28

☒ C欄の続きにも文献が列举されている。☐ パテントファミリーに関する別紙を参照。

* 引用文献のカテゴリー

「A」特に関連のある文献ではなく、一般的技術水準を示すもの

「E」国際出願日前の出願または特許であるが、国際出願日以後に公表されたもの

「L」優先権主張に疑義を提起する文献又は他の文献の発行日若しくは他の特別な理由を確立するために引用する文献 (理由を付す)

「O」口頭による開示、使用、展示等に言及する文献

「P」国際出願日前で、かつ優先権の主張の基礎となる出願

の日の後に公表された文献

「T」国際出願日又は優先日後に公表された文献であって出願と矛盾するものではなく、発明の原理又は理論の理解のために引用するもの

「X」特に関連のある文献であって、当該文献のみで発明の新規性又は進歩性がないと考えられるもの

「Y」特に関連のある文献であって、当該文献と他の1以上の文献との、当業者にとって自明である組合せによって進歩性がないと考えられるもの

「&」同一パテントファミリー文献

国際調査を完了した日

26. 10. 99

国際調査報告の発送日

09.11.99

国際調査機関の名称及びあて先

日本国特許庁 (ISA/J P)

郵便番号 100-8915

東京都千代田区霞が関三丁目4番3号

特許庁審査官 (権限のある職員)

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電話番号 03-3581-1101 内線 3488

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP99/04092

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁶ C12N9/10, 1/21, 5/10, 15/54, C12Q1/68, C07K16/40, A01K67/027

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁶ C12N9/02-9/94, 15/11-15/62, C07K14/00-14/825

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

BIOSIS (DIALOG), WPI (DIALOG), GenBank/EMBL/DDBJ/GeneSeq,
SwissProt/PIR/GeneSeq

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Gene, Volume 102, Number 1, issued 15 June 1991, Xin Wang et al., "Sequence analysis of a Staphylococcus aureus gene encoding a peptidoglycan hydrolase activity", pages 105-109	27, 28
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☒ Further documents are listed in the continuation of Box C.
 ☐ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search
26 October, 1999 (26. 10. 99)Date of mailing of the international search report
9 November, 1999 (09. 11. 99)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP99/04092

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	Journal of Biological Chemistry, Volume 273, Number 41, issued 9 October 1998, Takashi Kudo et al., "Expression Cloning and Characterization of a Novel Murine α 1,3-Fucosyltransferase, mFuc-TIX, That Synthesizes the Lewis x (CD15) Epitope in Brain and Kidney", pages 26729-26738	1-49
P, X	FEBS Letters, Volume 452, Number 3, issued 11 June 1999, Kaneko, M. et al., " α 1,3-Fucosyltransferase IX (Fuc-TIX) is very highly conserved between human and mouse; molecular cloning; characterization and tissue distribution of human Fuc-TIX.", pages 237-242	1-49
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A	US, 5,625,124, A (Washington University), 29 April, 1997 (29. 04. 97) (Family: none)	1-49
A	WO, 97/09421, A1 (THE REGENTS OF THE UNIVERSITY OF MICHIGAN), 13 March, 1997 (13. 03. 97) & AU, 9669035, A & US, 5,770,420, A	1-49
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